

Work Order ID 98832

March-26-13 9:05:10 AM

ASAP

\*98832\*

PRELIMINARY ISSUE

Page 1

Item ID: D4795-3

Accept

\*N900040100\*

Setup Start

\*NS1\*

Revision ID: PRELIM

Item Name: Bracket

Stop

\*NS2\*

Start Date: 3/26/13

Start Qty: 2.00

\*2\*

Cust Item ID:

Required Date: 4/09/13

Req'd Qty: 2.00

\*2\*

Customer:

Reference:

Approvals:

Process Plan: MLS

Date: 13-03-26

Tooling:

Date:

Run

Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4795	PA3 M

100		0.00
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\*100\*

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg

Dwg Rev: PA3

Prog Rev: PA3

304 .050

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

0.00

\*110\*

QC

Memo

0.00

Quality Control

2 0 Jm 13-3-26

2 0 Jm 13-3-26

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

**FAULT CATEGORY**

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

Work Order ID 98832

\*98832\*

Page 2

March-26-13 9:05:10 AM

Item ID: D4795-3

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID: PRELIM

Item Name: Bracket

Stop \*NS2\*

Start Date: 3/26/13 Start Qty: 2.00

\*2\*

Cust Item ID:

Required Date: 4/09/13 Req'd Qty: 2.00

\*2\*

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start \*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120 QC8- Inspect parts - second check

0.00

\*120\*

QC

Memo

0.00

Quality Control

13.3 27

2  
Inspect as per  
Dwg PA3

130 Bend as per dwg

0.00

\*130\*

Brake NC

Memo

0.00

Brake NC

2  
8/13/03/27

140 QC5- Inspect part completeness to step on W/O

0.00

\*140\*

QC

Memo

0.00

Quality Control

13.3 27

2  
Inspect as per  
Dwg PA3

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>											
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											
<b>FAULT CATEGORY</b>											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other		

# Work Order ID 98832

March-26-13 9:05:10 AM

**\*98832\***

Page 3

Item ID: D4795-3

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID: PRELIM

Stop **\*NS2\***

Item Name: Bracket

Start Date: 3/26/13 Start Qty: 2.00

**\*2\***

Cust Item ID:

Required Date: 4/09/13 Req'd Qty: 2.00

**\*2\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	Identify as per dwg & Stock Location: _____	0.00							
<b>*150*</b>									
Packaging	Memo	0.00							
Packaging									
160	QC21- Final Inspection - Work Order Release	0.00							
<b>*160*</b>									
QC	Memo	0.00							
Quality Control									

*YMF*  
*13-4-02*

POSITIVE RECALL

EFFECTIVE \_\_\_\_\_ AUTH \_\_\_\_\_

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
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<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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# Picklist Print

March 26-13 9:05:13 AM

Page 1

Work Order ID: 98832

\*98832\*

Parent Item: D4795-3

\*D4795-3\*

Parent Item Name: Bracket

Start Date: 3/26/13

Required Date: 4/09/13

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 13.03.22 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M304S18GA		Purchased	No			100	sf	355.5699	0.02	0.042105			
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**\*M304S18GA\***

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0.1

JmB-3-26

304/316 .050 Sheet

## Location

## Loc Qty

## Loc Code

MAT019

221

117188

5

117766

5

120604

5

122325

3

123155

3

124572

200

MAT020

134.569894

120243

2

121626

1.529894

124029

131.04

124029

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

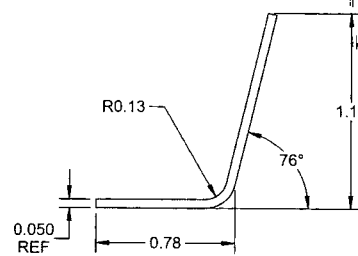
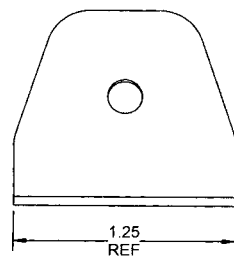
Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

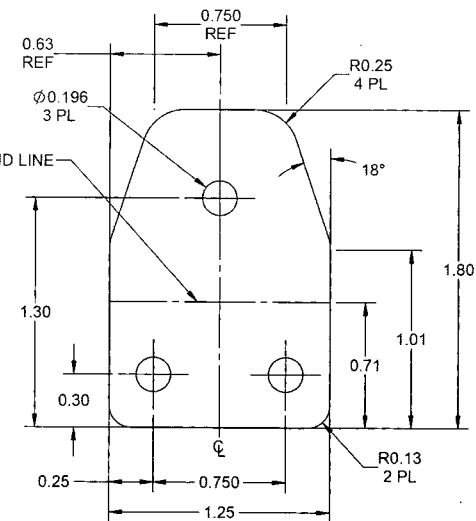
**FAULT CATEGORY**

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

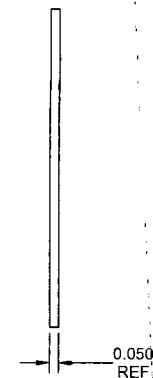
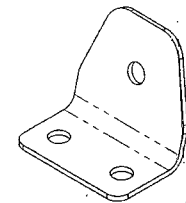




**D4795-1 BRACKET**  
MAKE FROM D4795-1F



**D4795-1F FLAT PATTERN BRACKET**



**PRELIMINARY ISSUE**

# 13.03.02

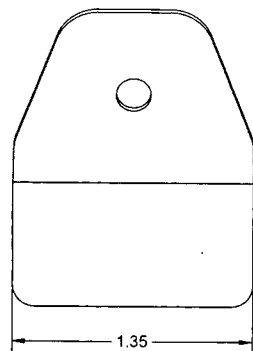
**NOTES:**

- 1) MATERIAL: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B, 0.05 THK  
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA OR M303S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 006 4.1
- 7) WEIGHT: 0.03 lbs

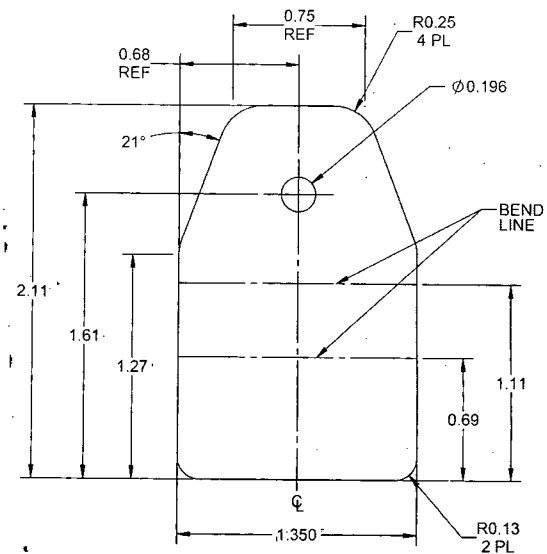
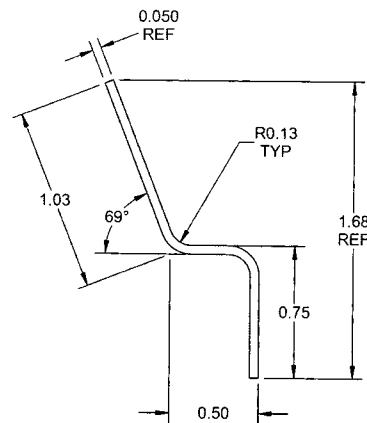
PA3	NEW ISSUE	RF	13.03.02
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	BC		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	13.03.02		

<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. <b>D4795</b>	REV. PA3
TITLE <b>BRACKET</b>	SHEET 1 OF 2
	SCALE NTS
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**D4795-3 BRACKET**  
MAKE FROM D4795-3F



**D4795-3F FLAT PATTERN BRACKET**

**NOTES:**

- 1) MATERIAL: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B, 0.05 THK  
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA OR M303S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 006 4.1
- 7) WEIGHT: 0.07 lbs

**PRELIMINARY ISSUE**

13.03.02

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	DC	DRAWING NO.	REV. PA3
MFG. APPR.		D4795	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		BRACKET	NTS
DATE	13.03.02	<small>COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



DART AEROSPACE LTD	Work Order:	98832
Description: Bracket	Part Number:	PA795-3
Inspection Dwg: D4795 Rev: PA3		Page 1 of 1

Measured by: <u>2</u>	Audited by:	Preliminary Approval:
Date: <u>13327</u>	Date:	Date:

# Receiving Report

Date: 12/12/17

Batch No: MB 4029

Supplier: ThyssenKrupp

Dart P/O: 18615

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection MB 12/12/17 N/A ☒  
 Work Order MB 12/12/17 N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
<u>4 10</u>	<u>hml Ba</u>					

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 12/12/17  
 Date [Signature]  
 Received/Costing [Signature]  
 Initial [Signature]

Location \_\_\_\_\_

# Purchase Order Receipt Listing

Page 1 of 2

Tuesday, December 18, 2012 3:08:14 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18619 Receipt Dates from 12/18/2012 to 12/18/2012 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO18619	1		M304S18GA	sf	12/19/2012	12/18/2012	320.0000	\$3.30	0.0000	0	\$1,056.72
CAD	No		304/316 .050 Sheet	sf	320.0000	DESJ02		\$1,056.72	0.0000	0	
			124029								
	2		M304S20GA	sf	12/19/2012	12/18/2012	320.0000	\$2.50	0.0000	0	\$800.09
	No		304/316 .040 Sheet	sf	320.0000	DESJ02		\$800.09	0.0000	0	
			124029								
	7		M6061T6B0.375X00. f		12/19/2012	12/18/2012	24.0000	\$2.52	0.0000	0	\$60.38
	No		6061T6 BAR .375 x f		24.0000	DESJ02		\$60.38	0.0000	0	
			.750								
			124029								
	8		M6061T6R0.500	f	12/19/2012	12/18/2012	48.0000	\$1.21	0.0000	0	\$57.97
	No		6061-T6 Round Bar f		48.0000	DESJ02		\$57.97	0.0000	0	
			.500"								
			124029								
	9		M6061T6R0.563	f	12/19/2012	12/18/2012	300.0000	\$0.61	0.0000	0	\$183.17
	No		6061-T6 ROUND f		300.0000	DESJ02		\$183.17	0.0000	0	
			BAR .563								
			124029								
	10		M6061T6R0.750	f	12/19/2012	12/18/2012	48.0000	\$1.04	0.0000	0	\$49.72
	No		6061-T6 Round Bar f		48.0000	DESJ02		\$49.72	0.0000	0	
			.750"								
			124029								
	11		M6061T6R3.500	f	12/19/2012	12/18/2012	12.0000	\$22.47	0.0000	0	\$269.61
	No		6061 RD bar 3.50 f		12.0000	DESJ02		\$269.61	0.0000	0	
			124029								
	12		M6063T5A0.750W.0 f		12/19/2012	12/18/2012	21.0000	\$1.44	0.0000	0	\$30.19
	No		63								
			Angle6063T5 .750 f		21.0000	DESJ02		\$30.19	0.0000	0	
			X.750 X.063w								
			124029								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
------------------------------------	-----------------------------	------------	--	-----------------------	-------------------------------	---------------------------	-------------------------	------------------------------	--	-------------------------------	----------

<b>Total Received Quantity:</b>	1,093.0000
<b>Total Qty to Inspect (PO U/M):</b>	0.0000
<b>Total Reject Quantity:</b>	0.0000
<b>Total Receipt Value:</b>	\$2,507.86
<b>Total Balance Due Quantity:</b>	0.0000

SHIP FROM: B I L L O F L A D I N G  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: ( 1 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 799828  
Ship Date 14Dec12 at 13:51 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

===== M/25029 =====  
B I L L O F L A D I N G  
1) Our Order PEC-518912- 1 Your PO # 18619 AD ON  
ALUMINUM FLAT BAR 6061-T6511  
.375" X .750" X 144.0000"  
Heat Number 201213316 Tag No 133867 Quantity 24 FT PCS 2 Wt LBS 8  
-----  
2) Our Order PEC-518912- 2 Your PO # 18619 AD ON  
ALUMINUM ROUND BAR 6061-T6511  
.50" DIA X 144.0000"  
Heat Number 2BS755 Tag No 133868 Quantity 48 FT PCS 4 Wt LBS 11  
-----  
3) Our Order PEC-518912- 3 Your PO # 18619 AD ON  
ALUMINUM ROUND BAR 6061-T6511  
.562" DIA X 144.0000"  
Heat Number 201207091 Tag No 133982 Quantity 300 FT PCS 25 Wt LBS 88  
-----  
4) Our Order PEC-518912- 4 Your PO # 18619 AD ON  
ALUMINUM ROUND BAR 6061-T6511  
.750" DIA X 144.0000"  
Heat Number 40959-112 Tag No 133885 Quantity 48 FT PCS 4 Wt LBS 25  
-----  
5) Our Order PEC-518912- 5 Your PO # 18619 AD ON  
ALUMINUM ROUND BAR 6061-T6511  
3.50" DIA X 144.0000"  
Heat Number 17548 Tag No 133886 Quantity 12 FT PCS 1 Wt LBS 137

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE



25  
B I L L O F L A D I N G  
Ship From: THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: ( 1 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

No: PEC 799833  
Ship Date 14Dec12 at 14:10 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

MTR m12 y029

B I L L O F L A D I N G

1) Our Order PEC-518871- 1 Your PO # 18619

STAINLESS STEEL SHEET 304-2B

.0480 Nom X 48.0000" X 96.0000"

Heat Number  
300725

Tag No  
133945

Quantity  
320.00 SFT

PCS  
10

Wt LBS  
609

2) Our Order PEC-518871- 2 Your PO # 18619

STAINLESS STEEL SHEET 304-2B

.0360 Nom X 48.0000" X 96.0000"

Heat Number  
A1200877

Tag No  
133946

Quantity  
320.00 SFT

PCS  
10

Wt LBS  
457

TOTAL: Tags 2 PCS 20 L 10

Heat Number 300725  
A1200877 \*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL ITEMS (1&2) 1 SKID G.W. 1118 LBS

Page: 1 ....Continued

1-crate 4/4/17  
K.V.

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE  
RAPPORTEES IMMEDIATEMENT  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

RECU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

Ship From: THYSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 799833  
Ship Date 14Dec12 at 14:10 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

\*\*\*\*\* CLOSED FOR THE HOLIDAYS \*\*\*\*\*  
ON DEC. 25TH & 26TH, 31ST & JAN. 1ST.  
WE ARE OPENED FOR BUSINESS ON DEC. 24, 27 & 28.  
HAVE A HAPPY HOLIDAY SEASON!  
\*CUSTOMER PICK-UP HRS AT THYSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
\*\*\*\* TEL. 800-926-2600 \*\*\*\*  
\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*  
\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*  
\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
STAINLESS STEEL SHEET 304-2B  
.0480 Nom X 48.0000" X 96.0000"  
PART NO.

PO/Rel 18619

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.


## Certificate of Mill Test Results

BL PEC-799833-001

14Dec12

Signed by:

Pg 1/1

 <b>ThyssenKrupp</b> ThyssenKrupp Stainless USA		Type of document / Tipo de documento / Art der Prüfbescheinigung <b>INSPECTION CERTIFICATE</b> CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document Number / N° de certificado / Bescheinigungs-Nr. <b>0000025813 /</b> Page / Página / Seite: <b>1 / 1</b>																	
1 ThyssenKrupp Drive; P.O. Box 13000; Calvert, AL 36513-1300  OLBERT METALS SALES LIMITED 989 DERRY ROAD EAST SUITE 305 MISSISSAUGA ON L5T 2J8 CANADA			Customer/Ship to / Cliente / Empfänger/Empfänger <b>OLBERT METALS SALES LIMITED, MISSISSAUGA</b> Customer's order number / N° de Pedido Cliente / Kundenbestell-Nr. <b>TO-1828</b> Manufacturer's work order no. / N° de Pedido Manufactura / Werksauftrag-Nr. <b>001145653 / 007</b> Delivery order no. / N° de Entrega / Lieferschein-Nr. <b>05218320 / 070</b> Product / Producto / Erzeugnis <b>SHEET/HOJAS/BLECH</b> Steel grade and quality / Acero / Stahlgüte und Gütegruppe <b>TYPE 304L/304</b>																		
Terms of delivery / Condiciones de entrega / Lieferbedingungen <b>ASTM A240/A240M, ASME SA-240 Sec.II Part A Ed.2010</b> <b>ASTM A480/A480M, ASME SA-480 Sec.II Part A Ed.2010</b>																					
Customer's material ref. N° de material del cliente / Kundenmaterial-Nr.		Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge)		Subcontracting procedure / Procedimiento de subcontratación / Herstellplan																	
		<b>1.22 mm x 1,218.20 mm x 2,438.40 mm</b> <b>0.0480 inch x 48.0000 inch x 96.0000 inch</b>		<b>A00</b>																	
Packing-No. / N° de Embalaje / Paket-Nr.		Net weight / Peso neto / Nett-Gewicht		Gross weight / Peso bruto / Brutto-Gew.																	
<b>5033088</b>		<b>4,467 lb / 2,026 kg</b>		<b>709255</b>																	
Sum / Suma / Summe		<b>74</b>		<b>300725</b>																	
<b>4,467 lb / 2,026 kg</b>		<b>1000044779</b>		<b>1000044780</b>																	
Heat / Calada / Schmelze		Country of heat / País de calada / Erzeugungsland		Chemical composition / Composition (DIN) / Chemische Zusammensetzung																	
<b>3DU725</b>		<b>ITA</b>		<table border="1"> <thead> <tr> <th>% C</th> <th>% Si</th> <th>% Mn</th> <th>% P</th> <th>% S</th> <th>% Cr</th> <th>% Ni</th> <th>% N</th> </tr> </thead> <tbody> <tr> <td>0.029</td> <td>0.30</td> <td>1.84</td> <td>0.029</td> <td>0.0010</td> <td>18.14</td> <td>8.04</td> <td>0.062</td> </tr> </tbody> </table>		% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N	0.029	0.30	1.84	0.029	0.0010	18.14	8.04	0.062
% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N														
0.029	0.30	1.84	0.029	0.0010	18.14	8.04	0.062														
Sample Posn. / Localiz. de la muestra / Probestelle		<b>TRANSVERSE</b>																			
Inspection ref. Lote de inspección / Prüflot		<b>YS0.2%</b> <b>PSI / MPa</b>		<b>TS</b> <b>PSI / MPa</b>																	
<b>1000044779</b>		<b>41,914 / 289</b>		<b>91,850 / 634</b>																	
<b>1000044780</b>		<b>40,174 / 277</b>		<b>91,805 / 633</b>																	
				<b>58</b>																	
				<b>57.5</b>																	
				<b>82</b>																	
				<b>81</b>																	
Dimensions-surface / Dimensiones-Superficie / Maße-Oberfläche: Test of identity (Spectrometry analysis) / Control de identidad (análisis espectrográfico) / Verwechslungsprüfung (Spektalanalyse):																					
No weld repairs No intentional additions of Mercury compounds were made or used Free of radioactive contamination EU RoHS Directive 2002/95/EC Compliant Country of Heat as per ISO 3166-1																					
Originator of the document / Originador del documento / Aussteller der Bescheinigung <b>ThyssenKrupp Stainless USA, LLC</b> An ISO 9001:2008 certified company Certificate is generated automatically / Certificado es generado automáticamente / Der Zeugnis wurde elektronisch erstellt																					
The information provided is a true copy of data as file / Los valores mostrados corresponden a los datos archivados / Die gemeldeten Werte entsprechen den gespeicherten Daten Andrew Faucett Phone: +1 251 629 3492 Name of expert / Nombre del experto / Name des Sachverständigen																					
Date of issue and validation Fecha de emisión y validación Datum Ausstellung / Bestätigung <b>10/03/2012</b>																					

DAS  
14  
2-89  
12/12/19

**DART**  
aerospaceDart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053**PURCHASE ORDER**

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 1 of 4

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
TORONTO, ON M5W 5V8  
CA**Contact Name**

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

**Buyer**

Chantal Lavoie

**Requisition Nbr****Tax Resale Nbr**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

**Ship To :**

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA**FAKED**  
*M 12/20/12*

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1 020	M304S18GA	304/316 .050 Sheet	12/19/12 Yes	320.00 sf	Yours ppd	\$3.2812	\$1,050.00

**Special Inst:** MATERIAL: AISI 304/316 SS SHEET  
ANNEALED 2B FINISH  
AS MIL-S-5059 OR AMS 5513 (304) OR  
AMS 5524 (316)  
OR ASTM A240 OR ASME SA240PLEASE NOTE: DO NOT DELIVER  
BEFORE THE 17 OF DECEMBERRECEIVING WILL BE CLOSE  
DECEMBER 13 AND 14 FOR  
INVENTORY

2 030	M304S20GA	304/316 .040 Sheet	12/19/12 Yes	320.00 sf	Yours ppd	\$2.4844	\$795.00
----------	-----------	--------------------	-----------------	--------------	-----------	----------	----------

**Special Inst:** MATERIAL: AISI 304/316 SS SHEET  
ANNEALED 2B FINISH  
AS MIL-S-5059 OR AMS 5513 (304) OR  
AMS 5524 (316)  
OR ASTM A240 OR ASME SA240**PO Instructions:** NO: PEC ST-518482 NO: PEC ST-514021  
NO: PEC ST-515417 NO: PEC ST-513880No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required - YES NO**Change Nbr:** 2**Change Date:** 12/11/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 2 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

3	M7075T6B1.000X1.000	7075 T6 BAR 1.00 x 1.00	12/19/12 Yes	12.00 f	Yours ppd	\$12.5959	\$151.15
---	---------------------	-------------------------	-----------------	------------	-----------	-----------	----------

Special Inst: MATERIAL: 7075-T6 OR  
T651/T6510/T6511/T62 BAR  
AS PER AMS-QQ-A-225/9 OR AMS  
4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11

4	M303B1.000X03.000	303 BAR 1" X 3'	12/19/12 No	24.00 f	Yours ppd	\$49.8942	\$1,197.46
---	-------------------	-----------------	----------------	------------	-----------	-----------	------------

Special Inst: MATERIAL: AISI 303 SS BAR AS PER  
ASTM A582  
NOTE: AISI 304/316 NOT ACCEPTABLE

5	M174R0.750	17-4 round bar .750	12/19/12 Yes	36.00 f	Yours ppd	\$5.1500	\$185.40
---	------------	---------------------	-----------------	------------	-----------	----------	----------

Special Inst: MATERIAL: 17-4 PH/S17400 TYPE 630 SS  
ROUND BAR  
AS PER AMS 5643 OR ASTM A564

6	M7075T6B1.500X1.500	7075 T6 BAR 1.500 x 1.500	12/19/12 Yes	12.00 f	Yours ppd	\$16.0000	\$192.00
---	---------------------	---------------------------	-----------------	------------	-----------	-----------	----------

Special Inst: MATERIAL: 7075-T6 OR  
T651/T6510/T6511/T62 BAR  
AS PER AMS-QQ-A-225/9 OR AMS  
4122/4123/4186/4187 OR  
PER AMS-QQ-A-200/11

PO Instructions: NO: PEC ST-518482 NO: PEC ST-514021  
NO: PEC ST-515417 NO: PEC ST-513850

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 3 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

10127-2607

Tax Resale Nbr

Net 30

Terms

Currency

CAD

FOB

Destination-Collect

Qty	Part Number	Description	Unit	Price	Unit Price	Amount	Net Price
7	M6061T6B0.375X00.750	6061T6 BAR .375 x .750	12/19/12	24.00	Yours ppd	\$2.5000	\$60.00
			Yes	f			

Special Inst: MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR ASTM B211 OR ASTM B221

8	M6061T6R0.500	6061-T6 Round Bar .500"	12/19/12	48.00	Yours ppd	\$1.2000	\$57.60
			Yes	f			

Special Inst: 6061-T6 (OR 6061-T651/ T6510/ T6511/ T62) ROUND BAR QQ-A-225/8 OR AMS-QQ-A-225/8 OR (AMS 4117/4128/4115/4116) OR QQ-A-200/8OR AMS-QQ-A-200/8 )OR AMS 4160) OR ASTM B211 OR ASTM B221

9	M6061T6R0.563	6061-T6 ROUND BAR .563	12/19/12	300.00	Yours ppd	\$0.6067	\$182.01
			Yes	f			

Special Inst: 6061-T6 (OR 6061-T651/ T6510/ T6511/ T62) ROUND BAR QQ-A-225/8 OR AMS-QQ-A-225/8 OR (AMS 4117/4128/4115/4116) OR QQ-A-200/8OR AMS-QQ-A-200/8 )OR AMS 4160) OR ASTM B211 OR ASTM B221

PO Instructions: NO: PEC ST-518482 NO: PEC ST-514021  
NO: PEC ST-515417 NO: PEC ST-513880

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required - YES NO

Change Nbr: 2

Change Date: 12/11/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO18619

Purchase Order Date 12/11/12

PO Print Date 12/11/12

Page Number 4 of 4

### Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

### Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

### Buyer

Chantal Lavoie

### Requisition Nbr

### Tax Resale Nbr

10127-2607

### Terms

Net 30

### Currency

CAD

### FOB

Destination-Collect

Item	Part Number	Description	Quantity	Unit Price	Total Price
10	M6061T6R0.750	6061-T6 Round Bar .750"	12/19/12	48.00	\$49.40
	93		Yes	f	

Special Inst: 6061-T6 (OR 6061-T651/ T6510/ T6511/  
T62) ROUND BAR  
QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
(AMS 4117/4128/4115/4116)  
OR QQ-A-200/8OR AMS-QQ-A-200/8 )OR  
AMS 4160)  
OR ASTM B211 OR ASTM B221

11	M6061T6R3.500	6061 RD bar 3.50	12/19/12	12.00	\$22.3250
	005		Yes	f	\$267.90

Special Inst: 6061-T6 (OR 6061-T651/ T6510/ T6511/  
T62) ROUND BAR  
QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
(AMS 4117/4128/4115/4116)  
OR QQ-A-200/8OR AMS-QQ-A-200/8 )OR  
AMS 4160)  
OR ASTM B211 OR ASTM B221

12	M6063T5A0.750W.063	Angle6063T5 .750 X.750 X.063w	12/19/12	21.00	\$1.4286
			Yes	f	\$30.00

PO Total:

\$4,217.92

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

PO Instructions: NO: PEC ST-518482 NO: PEC ST-514021  
NO: PEC ST-515417 NO: PEC ST-513880

Change Nbr: 2

Change Date: 12/11/12

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required - YES NO